



## BEC 2-Wire Villa Video Door Phone

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# User Manual



Please read this user manual carefully before installation

## Products Profile

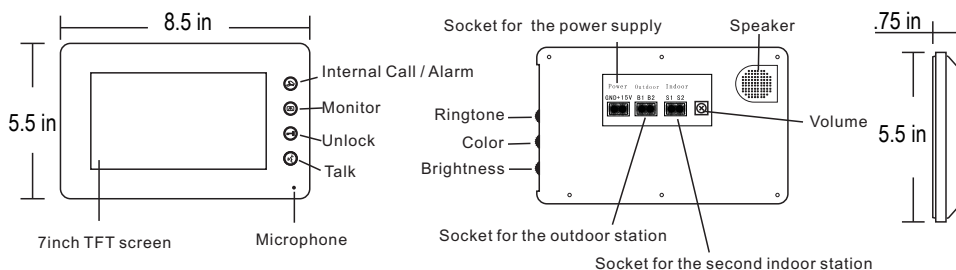
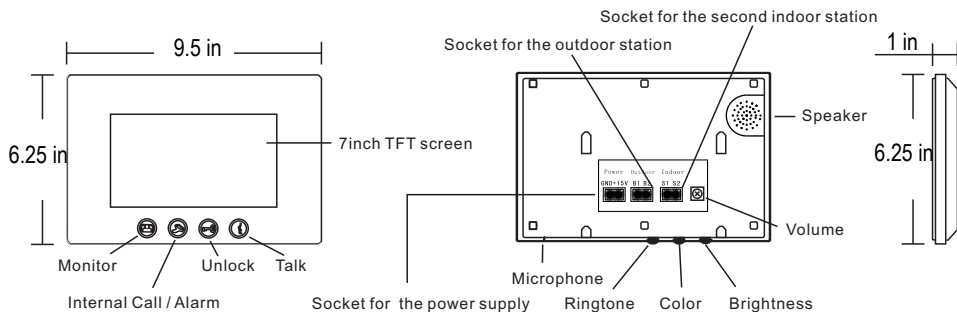
A standard video door phone is made of one outdoor station and one indoor station, connected by 2-4 wires, featured with non-polarized audio & video transmission, HD display, premium audio clarity, excellent stability, easy DIY installation for the villa, single house, residential and commercial buildings. This video door phone is expandable to “one outdoor station with three indoor stations mostly”.

### Main Features:

- 1) HD D/N camera & HD display;
- 2) RFID access control
- 3) Internal intercoms between monitors
- 4) 9 ringtones
- 5) Alarm & monitor

# 1. All buttons' features

## ● Indoor Station

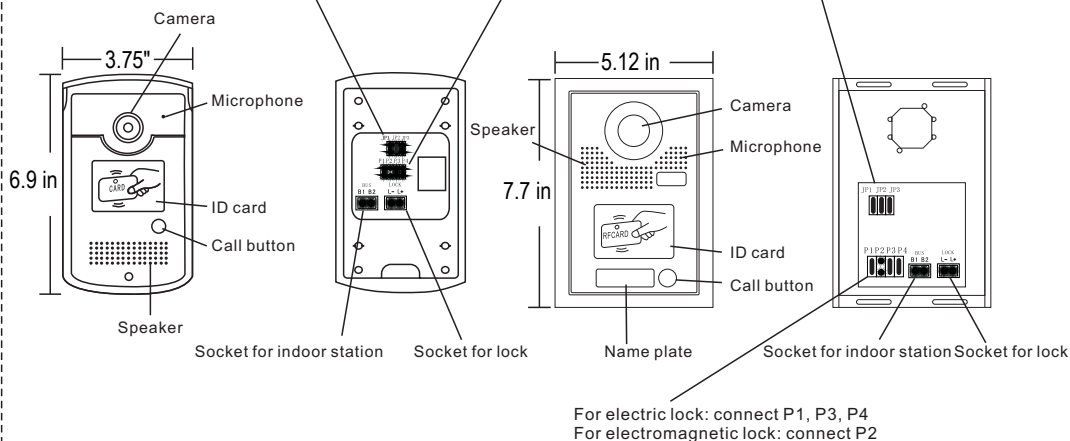


## ● Outdoor Station

Connect Jp1: Reset controller's password  
 Connect Jp2: Delete all users' cards  
 Connect Jp3: Make a new master card

For electric lock: connect P1, P3, P4  
 For electromagnetic lock: connect P2

Connect Jp1: Reset controller's password  
 Connect Jp2: Delete all users' cards  
 Connect Jp3: Make a new master card



## 2. Operation instructions

### ● Intercom

- 1) **Call**: Once the visitor pushes the Call button, it will light up the monitor ringing, and image of visitor will be shown in the monitor.
- 2) **Talk**: to answer the call from the outdoor station by pushing Talk/Intercom button will establish the conversation between the outdoor station and indoor station, to push Talk button again will hang off. If there is no one answering, the monitor will be closed after 45 seconds. If the time of conversation is over 45 seconds, the monitor will hang off automatically, but to push Monitor and Call button again will extend the conversation.
- 3) **Alarm/ Unlock**: Under conversation, to push Unlock button will open the door. To keep pushing Alarm button will hear the Warning ring from the outdoor station that is to scare the stranger away.
- 4) **Monitor**: Under standby, push Monitor button will see what happened outside, and push Monitor button again will exit.
- 5) **Internal call**: Under standby, push Internal call button on the indoor station and you will hear the intercom tone, then push Talk button to talk to each other.
- 6) **Set the ringtone**: First under standby, push Talk button for 3 seconds to enter "the state" of music playing, and then to push Alarm button for 0.5 second at the same time to play one ringtone, (one by one playing), finally, keep pressing Talk button for 3 seconds to set your favorite ringtone and exit.

### ● User Instructions of RFID Access Control.

This RFID Access module can save 2720 User cards / fobs and support quick reading, changing Master card, adding User cards, deleting active user cards, more convenience and reliable. What's more, there is a professional RFID controller for better operation, and further needs has to be noted additionally.

- 1) **Make a master card**: First, cut off the power of the outdoor station, second, connect JP2 with power, then sound will be heard every 1.5second, now to swipe new ID card will hear a long beep, that means new master card has been made, finally to take off JP2 will exit.
- 2) **Delete all user cards**: First, cut off the power of the outdoor station, then to connect JP3 with power, now a long beep will be heard, that means all user cards has been deleted, finally to take off JP3 will exit.

3) Initial Admin Password: First to cut off the power of the outdoor station, then to connect JP1 with power, now a long beep will be heard that means Admin password has been initial as 1234, finally to take off JP1 will exit.

4) Add more user ID card:

Under standby, first swipe the Master card will come to the state of adding more user cards, then to swipe the new ID card will hear a beep that means this new user cards has been activated, finally swipe the Master card again will exit and back to standby mode. Also, 2720 user ID card can be activated by one master card.

5) Open the door by ID user card:

Under standby, swipe the active access ID user card on the access window will open the door, if the User card is not activated by the Master card, then the door can not be open and a beep will be heard 3 times.

6) Add more user card by RFID Controller : Under standby, first, push \* 1234 will hear a long beep, second, push \* 2 and you will hear another long beep at every 1.5 seconds. That means it's time to add more user cards, Finally push \* EXIT will exit. P.S to swipe new user cards requires to add one by one, and a long beep will be hear after adding one user card.

7) Delete some user cards by RFID Remote control: Under standby, firstly to push \* 1234 will hear a long beep, secondly to push \* 2 will hear another long beep at every 1.5 seconds. That means it's time to delete user cards, finally to push \* EXIT will exit.. P.S: to delete the active user cards will hear a long beep, if the user card is not active, then a long beep will be heard at 3 times.

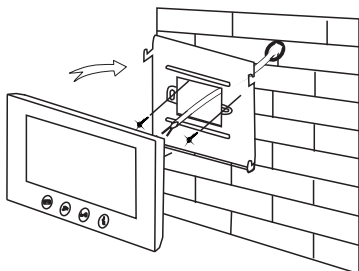
8) Delete the user cards by serial numbers on the controller: Under standby, firstly push \*1234 will hear a long beep, second, push \* 5 and you will hear another long beep, then input the 10 digits serial number and # will hear a long beep that means this user card has been deleted, finally to push \* EXIT will exit. If the serial number is wrong, then a long been will be heard at 3 times, so each serial number of the user card has to be recorded at the beginning.

9) Delete all user cards by RFID controller : Under standby, first, push \*1234 will hear a long beep, second, push \* 6 will hear another long beep, then to push 1 2 # will stop the long beep that means all user cards has been deleted, finally push \* EXIT will exit.

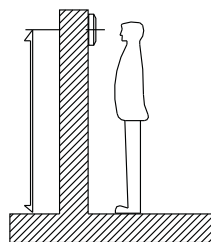
10) Change Admin Password: Under standby, first, push \*1234 will hear a long beep, second, push \* 1 will hear another long beep, then to input 4 digits password, finally to push \* EXIT will exit.

## 3. Installation

### Indoor station

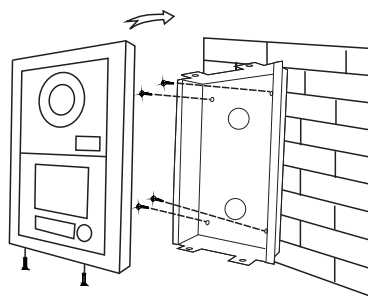
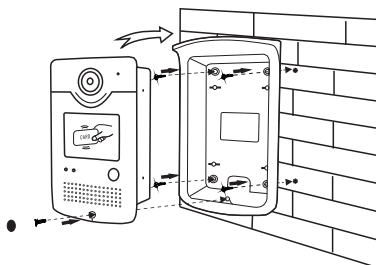


- \* All monitors are surface-mounted. Simply put the mounting bracket on the wall.



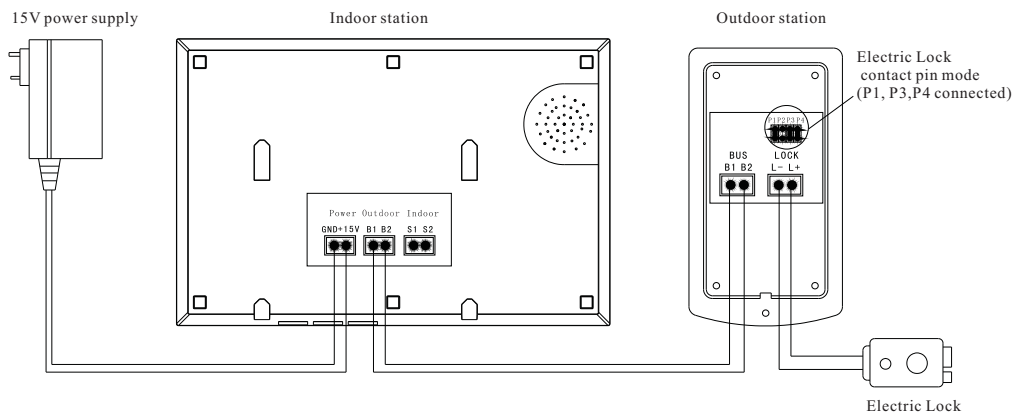
- \* The standard height for installing the outdoor station should be from 4.75ft to 5.5ft away from the ground.

### Outdoor station

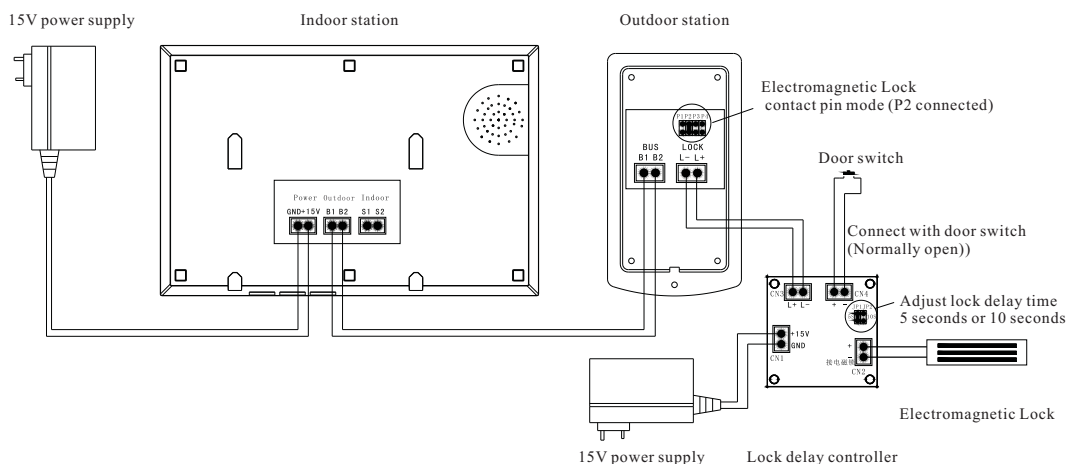


## 4. Wiring diagram

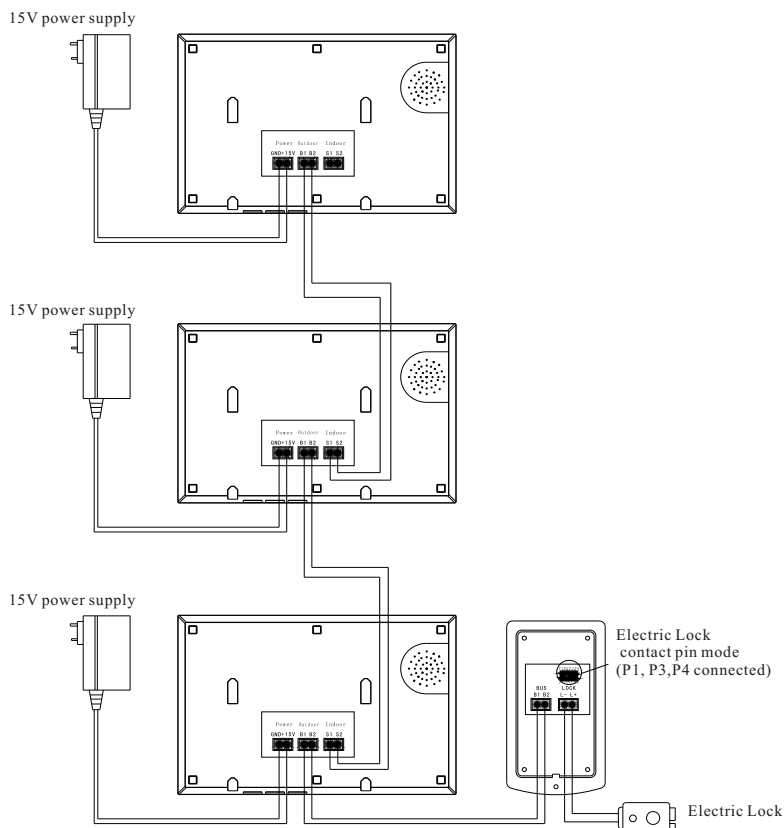
### One to one with Electric Lock



## One to one with Electromagnetic Lock



## One to three with Electric Lock



## 5. Cautions

- 1) Don't put the camera station under sunshine or other bright light.
- 2) The standard height of installation of outdoor station is from 4.75 ft to 5.5 ft
- 3) Keep the outdoor station 10 feet or 3 meters away from the indoor station when testing before installation, in case of interferences in the volume of speaker.

## 6. Wiring equipments

Distance	Cable
Distance < 164 feet	2 or 4 Wire - 20 awg
Distance > 164 feet	2 or 4 Wire - 18 awg

## 7. Technical parameters

Input Voltage	AC100~240V
Output Voltage	DC15V 1500mA
Power Consumption	Standby : $\leq 1W$ Working: $\leq 10W$
Cable requirements	2 or 4 Wires, 18 - 20 awg
Video Signal	1 VP-P
Intercom time	60 seconds
Working Temperature	-5F to 130F or -20C ~ +60C
Illumination	10 feet - 3 meters night vision

### BEC Standard Video Door Phone Kit

A standard video door phone includes: one outdoor station, one indoor station, one 15V power adaptor, a bag of screws, terminal cables and one user manual.